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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/413,177	10/07/1999	LAP CHAN	CS99-107	1672	
28112 7	590 11/04/2004		EXAM	EXAMINER	
GEORGE O. SAILE & ASSOCIATES			BROCK II, PAUL E		
28 DAVIS AV POUGHKEEP	SIE, NY 12603		ART UNIT	ART UNIT PAPER NUMBER 2815	
	•		2815		
			DATE MAILED: 11/04/200	DATE MAILED: 11/04/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Advisory Action	09/413,177	CHAN ET AL.					
	Examiner	Art Unit					
	Paul E Brock II	2815					
The MAILING DATE of this communication appe	The MAILING DATE of this communication appears on the cover sheet with the correspondence address						
THE REPLY FILED 14 October 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a simal rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.							
PERIOD FOR REPLY [check either a) or b)]							
a) The period for reply expires 3 months from the mailing date of the final rejection.							
b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f). Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee							
ave been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 7 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any arned patent term adjustment. See 37 CFR 1.704(b).							
 A Notice of Appeal was filed on Appellant's 37 CFR 1.192(a), or any extension thereof (37 CF 							
2. The proposed amendment(s) will not be entered be	ecause:						
(a) ☐ they raise new issues that would require further consideration and/or search (see NOTE below);							
(b) ☐ they raise the issue of new matter (see Note below);							
(c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or							
(d) they present additional claims without canceling a corresponding number of finally rejected claims. NOTE:							
3. Applicant's reply has overcome the following rejections.	etion(s):						
 Newly proposed or amended claim(s) would canceling the non-allowable claim(s). 	be allowable if submitted in a s	eparate, timely filed	d amendment				
5. ☐ The a) ☐ affidavit, b) ☐ exhibit, or c) ☐ request fo application in condition for allowance because: Se		sidered but does NO	OT place the				
6. The affidavit or exhibit will NOT be considered be raised by the Examiner in the final rejection.	cause it is not directed SOLELY	to issues which we	re newly				
7. For purposes of Appeal, the proposed amendment explanation of how the new or amended claims w	• • •	•	and an				
The status of the claim(s) is (or will be) as follows:							
Claim(s) allowed:							
Claim(s) objected to: 3,4 and 7.							
Claim(s) rejected: <u>1,2,5,6,8-18 and 22</u> .							
Claim(s) withdrawn from consideration:							
8. The drawing correction filed on is a) app	proved or b) disapproved by	the Examiner.					
Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s)							
0. ☐ Other:							
	1111						
Can Esmel							

Continuation of 5. does NOT place the application in condition for allowance because: In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See In re Keller, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); In re Merck & Co., 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986). Therefore, applicant's arguments are not persuasive and the rejection is proper.

With regard to applicant's argument that "Lur et al. does not make use of cavities but in contrast etches away the inter level dielectric (col.3, line 62) leaving an air dielectric 85, (Fig. 11 of Lur et al.) between the electrode metal layers; an similar comment applies to Examiner's contention that Lur et al. creates a first and a second layer of cavities: the (only) cavity that is created by Lur et al. is cavity 85, shown in Fig. 11 where col. 3, lines 61 e.a.): 'the inter-level dielectric is etched away'," it should be noted that the air dielectric created by Lur is comprised of many cavities. Applicant has not defined that each cavity, of the supposed cavities, is a distinct entity closed off from any adjacent cavities. For instance, Lur clearly discloses in figures 10 and 11 that bottom layer 34, top layer 34 and middle layer 34 are all distinct, and therefore each form a distinct cavity, even though those cavities adjoin to make the whole air dielectric. Applicant has not explained why these cavities do not exist in Lur. Therefore, applicant's arguments are not persuasive and the rejection is proper.

In response to applicant's argument that the examiner's conclusion of obviousness is based upon improper hindsight reasoning, it must be recognized that any judgment on obviousness is in a sense necessarily a reconstruction based upon hindsight reasoning. But so long as it takes into account only knowledge which was within the level of ordinary skill at the time the claimed invention was made, and does not include knowledge gleaned only from the applicant's disclosure, such a reconstruction is proper. See In re McLaughlin, 443 F.2d 1392, 170 USPQ 209 (CCPA 1971). Therefore, applicant's arguments are not persuasive and the rejection is proper.